

Product datasheet for **SC334587**

GBX2 (NM_001301687) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GBX2 (NM_001301687) Human Untagged Clone
Tag:	Tag Free
Symbol:	GBX2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001301687, the custom clone sequence may differ by one or more nucleotides

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ATGAGCGCAGCGTTCCCGCCGTCGCTGATGATGATGCAGCGCCCGCTGGGGAGTAGCACCGCCTTCAGCA  
TAGACTCGCTGATCGGCAGCCCGCCGACGCCAGCCCGGCCATTTCTGTCTACACCGGCTACCCCATGTT  
CATGCCCTACCGGCCGAGTGTGTCGCGCCGCCCGCCCGCCCGCCCGCGCTGCCACAGGCGCGCTG  
CAGCCAGCGCTGCCGCCGACACCCCTACCACCAGATCCCAGCCTGCCACAGGCTTCTGCTCCAGCC  
TGGCGCAGGGCATGGCGCTCACCTCTACGCTCATGGCCAGCTCCCCGGCGGCTTCTCCGCTCGCCCCA  
GCACCAGGAGGGCGCAGCGGCCCAAGTTCGCGCCGACGCCGCTGCCCGGGCGGGTAACTTCGACAAG  
GCGGAGGCGCTGCAGGCTGACGCGGAGGACGGCAAAGGCTTCTTGCCAAAGAGGGCTCGTCTCGCCT  
TCTCCGCGCCGAGACGGTGCAGGCTTCGCTCGGCCGCTCTGCCGCTCCGCGGTGACCTGGGGTCCGG  
TCGGGGCTGTCCGAGGGCAAGGAAAGACGAGTCAAAGGTGGAAGACGACCCGAAGGGCAAGGAGGAGAG  
CTTCTCGCTGGAGAGCGATGTGGACTACAGCTCGGATGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001301687
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001301687.1](#), [NP_001288616.1](#)

RefSeq Size: 1832 bp

RefSeq ORF: 669 bp

Locus ID: 2637

Cytogenetics: 2q37.2

Gene Summary: May act as a transcription factor for cell pluripotency and differentiation in the embryo. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) contains an alternate exon in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.